

# Blackhawk™ USB100v2 XDS100v2 Controller for TI Embedded Processors

Supported devices: TMS320C28x, TMS320C54x,  
TMS320C55x, TMS320C64x+, TMS320C674x and ARM® families.

Compatible Operating Systems: Windows® 2000, XP, Vista, 7

The Blackhawk™ USB100v2 Model D is a very low-cost controller for basic debugging of Texas Instruments DSPs. Requiring no external power source, the USB100v2 Model D can support most of the basic features of higher priced controllers and requires no additional drivers when installed using CCS v4 or later. *As an added bonus, Texas Instruments offers Code Composer Studio v4 FREE for use with the USB100v2 Model D.*

The USB100v2 Model D is a TI XDS100v2-compatible controller fully supported under CCS v4 and future Texas Instruments roadmap software development environments. The USB100v2 Model D provides for faster code downloads and assembly code stepping in that the USB100v2 Model D uses a high-speed USB2.0 (480 Mb/s) port instead of slower USB1.x (12 Mb/s) implementations.

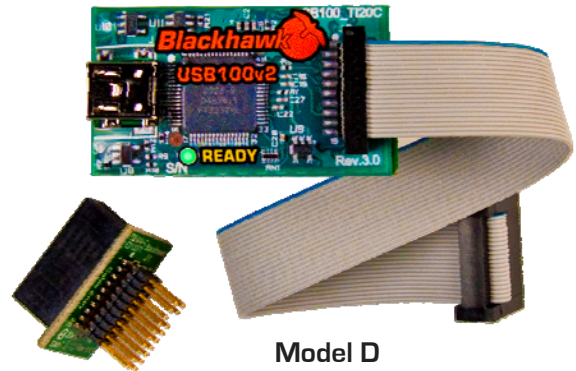
Measuring just 2.75”L x 0.80”W x 0.65”H (7.0cm x 2.0cm x 1.5cm) the Blackhawk USB100v2 Model D is the smallest and most compact emulation product from a US manufacturer and is fully assembled and tested in the USA. It will support 1.8-3.3v targets with native cTI compact 20-pin connections and also includes standard 14-pin emulation adapter.

Additionally, with an optional 20cTI to 20ARM connector (available from Blackhawk), the USB100v2 Model D can connect to 20-pin ARM Multi-Ice platforms.

Blackhawk JTAG Emulators and Controllers are available from a world wide network of industry resellers.

## ABOUT BLACKHAWK

EWA Technologies, Inc. is a major global player in the application of the IEEE 1149.x standards (known as boundary-scan or JTAG) to state-of-the-art products that will support the design, prototyping and production of the next generation of complex technology products. EWA Technologies consists of two operating units: the Blackhawk™ division in Mount Laurel, NJ, and Corelis, Inc. in Cerritos, CA. The Blackhawk™ division is a leader in providing hardware and software for the rapid development of digital signal processor-based (DSP) applications for a wide variety of vertical markets. Blackhawk™ is a Texas Instruments® (TI) DSP Third Party provider for development hardware, advanced JTAG controllers, Real-Time Operating Systems, design services and consulting.



Model D

## Features

- High-Speed USB 2.0 (480Mb/s) Host Interface.
- Power Status LED.
- Supported Devices:
  - TMS320C28x High Performance 32-bit controllers
  - TMS320C54x Power-Efficient DSPs
  - TMS320C55x Fixed-point DSPs
  - TMS320C674x High Performance DSPs
  - TMS320C64x+ High Performance DSPs
  - ARM 9
  - ARM Cortex M3 (not including Stellaris Cortex M3)
  - ARM Cortex R4
  - ARM Cortex A8
- 1.8/3.3 volt device I/O support.
- Native 2x10 20-pin cTI JTAG Header
- Includes 2x7 14-pin JTAG adapter.
- Optional ARM Multi-Ice pin converter available.
- Online Support from TI -
  - [www.tiexpressdsp.com/index.php/XDS100](http://www.tiexpressdsp.com/index.php/XDS100)

## System Requirements

- PC running Windows® 2000, XP, Vista, 7
- USB port either 1.x or 2.0 (preferred)
- CCS v4.x or higher

## What's Included

- USB100v2 JTAG Controller
- 6 foot USB Cable
- 20-pin (cTI) to 2x7 14-pin Adapter
- Quick Start Guide

Part Number: BH-USB-100v2D

# Blackhawk Emulators

123 Gaither Drive • Mt. Laurel, NJ 08054 • 877-983-4514 • [www.blackhawk-dsp.com](http://www.blackhawk-dsp.com)

